

1 IN THE CLAIMS

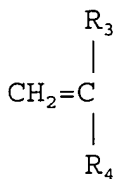
2
3 1-30. (Canceled)

4
5 31. (Original) An improved artificial nail composition
6 comprising:

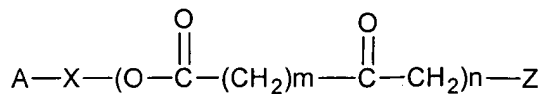
7 (a) from about 0.1-98.5% by weight of at least one
8 multicarbonyl-vinyl containing monomer; and

9 (b) from about 5-98% by weight of at least one
10 ethylenically unsaturated monomer.

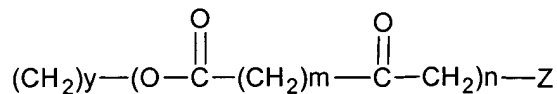
32. (Original) An improved artificial nail composition according to claim 31, wherein said multicarbonyl-vinyl containing monomer has the formula:



wherein R_3 is H, a C_{1-30} straight or branched chain alkyl, aryl, aralkyl; and R_4 is



or



wherein A =

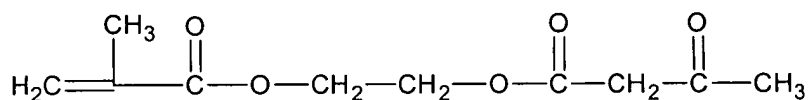
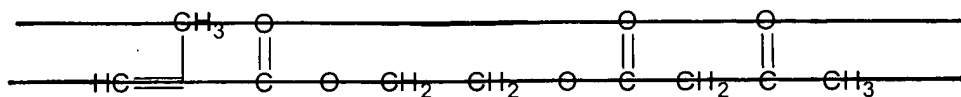


or,



X = C_{1-30} straight or branched chain alkyl, m is 1 to 5, n is 1 to 30, y is 0 to 50; and z = H or a C_{1-30} straight or branched chain alkyl.

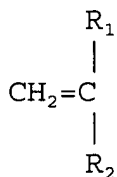
1 33. (Amended) An improved artificial nail composition
2 according to claim 31, wherein said multicarbonyl-vinyl
3 containing monomer has the formula:



13 34. (Original) An improved artificial nail composition
14 according to claim 31, said composition further comprising
15 from about 0.001-5% by weight of a polymerization accelerator.

16
17
18 35. (Original) An improved artificial nail composition
19 according to claim 34, wherein said polymerization accelerator
20 is selected from the group consisting of aromatic tertiary
21 amines and aliphatic tertiary amines.
22
23

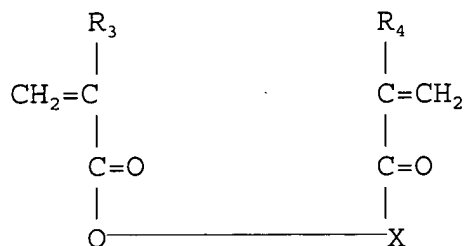
1 36. (Original) An improved artificial nail composition
2 according to claim 31, wherein said ethylenically unsaturated
3 monomer has the formula:



10 wherein R_1 is H, a C_{1-30} straight or branched chain alkyl, aryl,
11 aralkyl; R_2 is a pyrrolidone, or a substituted or
12 unsubstituted aromatic, alicyclic, or bicyclic ring where the
13 substituents are C_{1-30} straight or branched chain alkyl, or COOM
14 wherein M is H, a C_{1-30} straight or branched chain alkyl,
15 pyrrolidone, or a substituted or unsubstituted aromatic,
16 alicyclic, or bicyclic ring where the substituents are C_{1-30}
17 straight or branched chain alkyl which may be substituted with
18 one or more hydroxyl groups, or $[(CH_2)_mO]_nH$ wherein m is 1-20,
19 and n is 1-200.

20
21 37. (Amended) An improved artificial nail composition
22 according to claim 31, wherein said ethylenically unsaturated
23 monomer comprises from about 50-98.5% by weight of a
24 methacrylate monomer and from about 5-20% 3-20% by weight of a
25 hydroxyalkyl methacrylate monomer.
26

38. (Original) An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is a difunctional monomer having the formula:



wherein R_3 and R_4 are each independently H, a C_{1-30} straight or branch chain alkyl, aryl, or aralkyl; and X is $[(CH_2)_x O_y]_z$ wherein x is 1-20, and y is 1-20, and z is 1-100.

39. (Original) An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is selected from the group consisting of trifunctional acrylates, trifunctional methacrylates, polyfunctional acrylates and polyfunctional methacrylates.

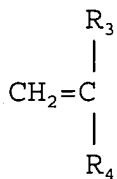
40. (Original) An improved artificial nail composition according to claim 31, said composition further comprising from about 0.001-5% by weight of a plasticizer.

41. (Amended) An improved artificial nail composition
according to claim 40, wherein said plasticizer is selected
from the group consisting of esters, lactones, low volatility
solvents, nonionic organic surfactants and silicones.

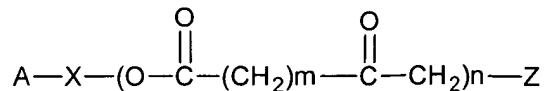
42. (Amended) An improved artificial nail composition
according to claim 31, said composition further comprising a
component selected from the group consisting of UV absorbers,
stabilizers, colorants, and polymerization regulators.

43. (Original) An improved artificial nail composition
comprising:

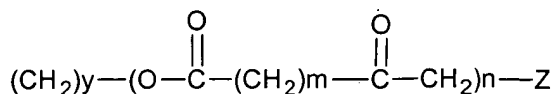
(a)



wherein R_4 is



or



wherein A =

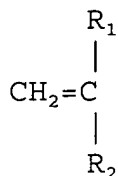


or,



X = C_{1-30} straight or branched chain alkyl, m is 1 to 5, n is 1 to 30, y is 0 to 50; and z = H or a C_{1-30} straight or branched chain alkyl; and

(b)



wherein R_1 is H, a C_{1-30} straight or branched chain alkyl, aryl, aralkyl; R_2 is a pyrrolidone, or a substituted or unsubstituted aromatic, alicyclic, or bicyclic ring where the substituents are C_{1-30} straight or branched chain alkyl, or COOM wherein M is H, a C_{1-30} straight or branched chain alkyl, pyrrolidone, or a substituted or unsubstituted aromatic, alicyclic, or bicyclic ring where the substituents are C_{1-30} straight or branched chain alkyl which may be substituted with one or more hydroxyl groups, or $[(CH_2)_mO]_nH$ wherein m is 1-20, and n is 1-200.

44. (Original) An improved artificial nail composition according to claim 43, said composition further comprising from about 0.001-5% by weight of a polymerization accelerator.

45. (Original) An improved artificial nail composition according to claim 44, wherein said polymerization accelerator is selected from the group consisting of aromatic tertiary amines and aliphatic tertiary amines.

1 46. (Original) An improved artificial nail composition
2 according to claim 43, said composition further comprising
3 from about 0.001-5% by weight of a plasticizer.
4

5 47. (Original) An improved artificial nail composition
6 according to claim 43, wherein said plasticizer is selected
7 from the group consisting of esters, low volatility solvents,
8 nonionic organic surfactants and silicones.
9

10 48. (Original) An improved artificial nail composition
11 according to claim 43, said composition further comprising a
12 component selected from the group consisting of UV absorbers
13 and polymerization regulators.
14
15
16
17
18
19
20
21
22
23